OWNER'S INSTRUCTIONS

MODEL: RL22FC**
RL24FC**

ENGLISH

- Please read all the safety precautions included in this manual prior to use and retain this manual properly for future reference.
- Please read through this manual before connecting to power and keep it for future reference.
- Any change relating to this manual will result in no additional notice due to continuous improvement made on our products.

Register your product at www.samsung.com/global/register

English

Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

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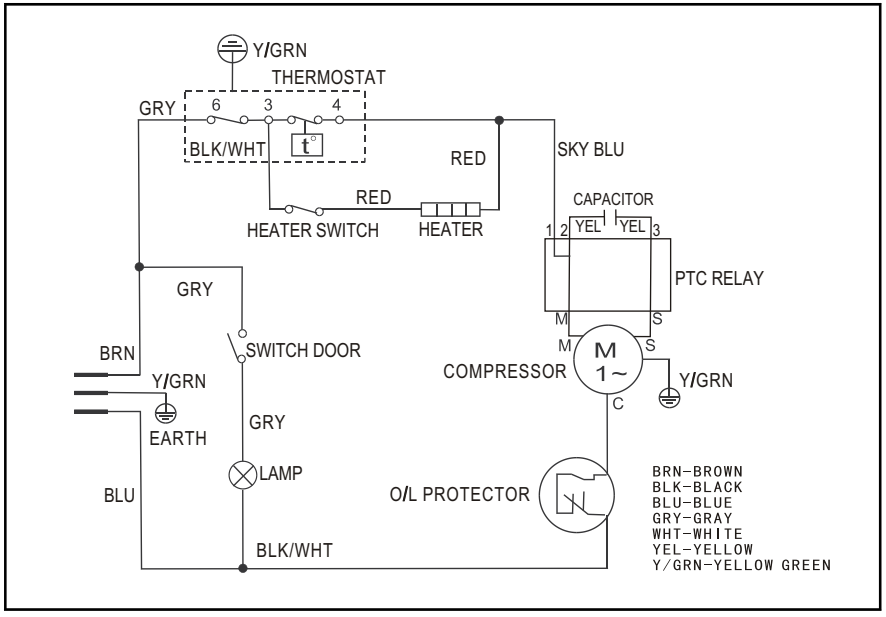
DA68-01530M

TECHNICAL PARAMETERS

DESCRIPTION \ Model		RL24FC**	RL22FC**
Climate type		ST, N, SN	
Electric shock proof		I	
Volume (L)	Total volume	224/219	204/199
	Refrigerator	141/139	136/134
	Freezer	83/80	68/65
Rated volgage/frequency/current		~220V-240V/50Hz/0.40A	
Total power input (W)		80W	
Lamp MAX power (W)		25W	
Power consumption kWh/24h(25°C)		0.66	0.60
Freezing capacity kg/24h		4	
Refrigerating agent and dosage(g)		R600a/58g	
Weight (kg)		57	55
Visual dimension (width*deepth*hight)(mm)		548*614*1607	548*614*1493

CIRCUIT DIAGRAM



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This instruction includes three similar models of RL22FC** and RL24FC**, where RL24FC** is dominated by this description.
* Representative Color:
S- Silver , W- White

- Please read this manual and use it as instructed. The messages marked with "Warning" and "Notes" were about safety and of high importance. Please read it carefully and repeatedly.

WARNING Which means it is possible to cause potential and severe damage about dangerous issues if the instructions not followed.

NOTES Which means it may cause slight damage or performance failure if certain cases not avoided.

- Do not store pharmaceuticals products, scientific materials or temperature-sensitive products in the refrigerator.
  - Products that require strict temperature controls must not be stored in the refrigerator.

PARTS DESCRIPTION

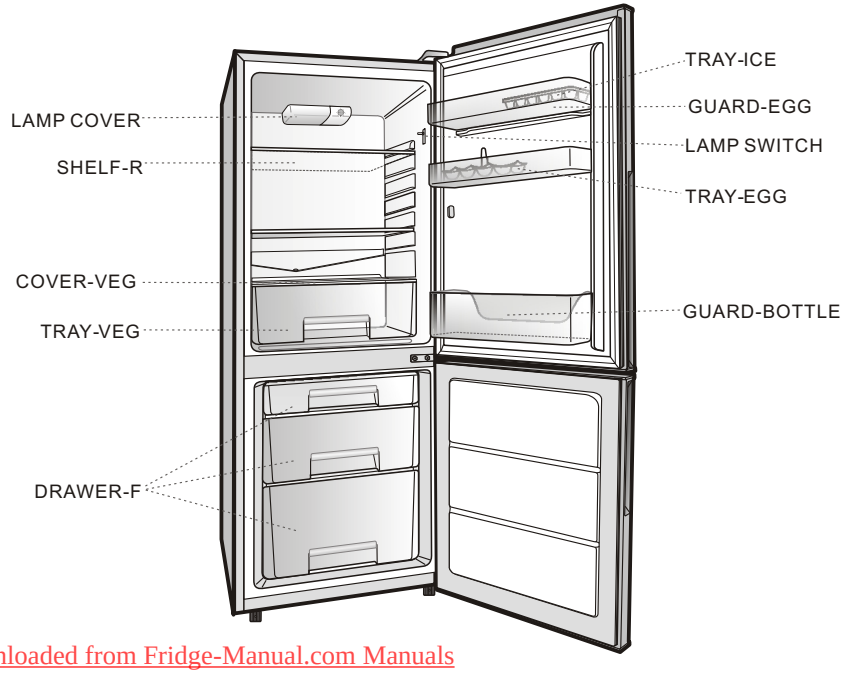
Product features

- Mechanical control:the built-in temperature sensor controls the inside temperature more precisely.
- Fi-free environmental protection: this appliance is the green product.
- Reliable performance: seamless high efficient compactor of famous brand is used in this product with excellent performance and high reliability.
- Reasonable structure:the layout of reefer up and freezer down can reduce the cooling energy and power loss. The frequently used upper reefer can facilitate the access. The reefer shelf is position adjustable with the volume.
- Odour reservation: the freezer is drawer-structured to ease food storage and protect from odour mixing.
- Flat back:the built-in condenser is easy to clean.

Attachment

Name / Model	DRAWER-F	TRAY-VEG	COVER-VEG	GUARD-EGG	GUARD-BOTTLE	TRAY-EGG	SHELF-R	TRAY-ICE
RL24FC**	3	1	1	2	1	1	2	1
RL22FC**	3	1	1	2	1	1	2	1

Parts description (RL24FC** for example)



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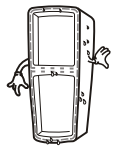
TROUBLE SHOOTING

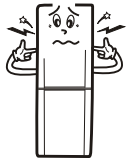
◆ The front frame and side plate get hot

- The de-dew pipe is built in the frame to avoid dews condensing on the frame. It will get hot when the appliance is running.
- The cooling assembly(condensor) is installed on both sides of the frame.



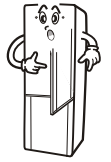
◆ Ice cracks are heard

- It is not a fault. When the appliance is initiated or closed, poop will be heard due to sharp change of temperature which cause uneven heat imposed on the interior parts



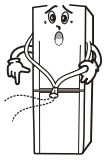
◆ Frost or ice is found on the back

- The cooling pipes in the back will be under 0℃ when the appliance is running. Frost or ice will be found on the back due to dense moisture.
- When the appliance is off, the frost will disappear automatically.
- Suggest to clean the appliance once per month.
- Foods and food container shall not lean closely against the back.



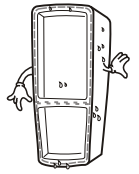
◆ Streaming is heard

- It is not a fault. The sound is heard when the refrigerant flows.



◆ Dews are condensed on the mid-ridge and the frame

- When the environmental humidity exceeds standard.
- Please wipe with the soft cloth.

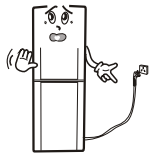


◆ Dews condensed in the vegetable compartment.

- When the door is left open for long time or
- The fluid food are not properly sealed.

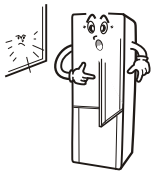
Should your problems falls out of the above, please visit the designated service center with the WARRANTY CERTIFICATE or contact Sumsung Technical Help Center.

TROUBLE SHOOTING



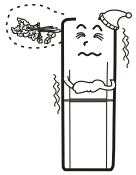
◆ The appliance does not work.

- The Plug is not well connected.
- No power supply.
- Resart the appliance within 5 minutes after power-off.



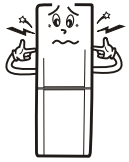
◆ Nonstop working is incurred to the appliance.

- When the room temperature is high, or the appliance is near heat or exposed in the sun.
- The door is opened frequently or well closed.
- The room has poor ventilation.
- The food is over stuffed, resulting in bad cooling.



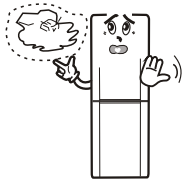
◆ The food in the refrigerator is frozen

- The thermostat setting is too low.
- The foods contact the cooling source in the back wall.。



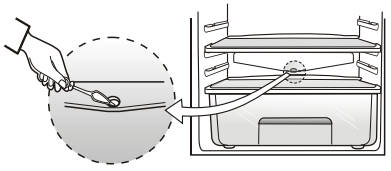
◆ Noise is heard

- The appliance is not steadily placed.
- The appliance is too close to the wall.
- The exterior cooling pipes clash with each other or with fridge wall.
- Something unexpected is behind or under.
- The motor will give out buzz when running.
- Items stored are not steadily placed.



◆ The freezer generates poor effect.

- The door is not well closed.
- The door gasket is damaged or distored or poorly sealed.
- The appliance is near heat or exposed in Sun.
- The appliance is not well aired.



◆ The defrost water outflows inside.

- The water outlet is block.
- Please get rid of the block with a plug or similar tools.

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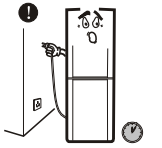
SAFETY NOTES

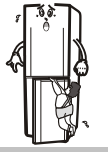
WARNING

◆ If the supply cord is damaged, it must be replaced by the manufacturer or their service agent or a similar qualified person in order to avoid any hazard.
The power supply should not be reconnected within 5 minutes to prevent the compressor being damaged.

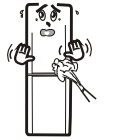


◆ Do not use combustible sprays,such as spray-paint or dopes, which will probably give rise t o explosion.
Note: Do not expose the appliance in the outdoor and rain.

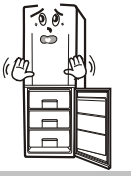
◆ Don't let children play with or hang on the unit as this will damage the unit or hurt children.



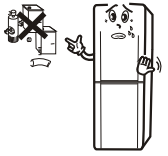
◆ Keep the appliance back out of water to avoid impairing insulation.



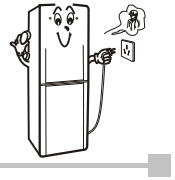
◆ A lump input of hot items or frequent or long-lasting opening will raise the inside temperature, it is generally recover in 24 hours;
◆ Poor door closing or a lump input of hot items or frequent or long-lasting opening may result in temperature indicator flash, poor cooling effect or long work;



◆ Do not store inflammable or explosive hazardous items and strong acid or alkaline corrosives chemicals, such as butane,aether,benzene, vitriol,gasoline,alcohol etc. Do not put the bottled fluid foods in the freezer as that will cause bottle cracks.



◆ Do not continue using the malfunctional or damaged appliance. Please cut off the power and call the local service center.
◆The appliance must be installation that the plug should be easily accessible after installation.



WARNING

If there is gas leaking, please shut the gas valve and change the room air before pulling out the power plug because unplugging will accompany sparks that will probably give rise to accidents.

SAFETY NOTES

NOTES

◆Please refer to the model and serial number to compare the products;
◆Before connecting to power, please verify the power supply voltage and the rated voltage of the appliance.The rated voltage allowance is 220-240V. For safety purpose, the wires which can bear over 10A current must be used.
◆After using the freezer, do close the drawer before you shut the freezer door.
◆During the hot weather in Summer, the appliance will run a longer time, the ice will be found in the back wall and the freezer temperature is low. The above is normal.

Alert The cooling effects originates from refrigerant that is filled through special process. Please ensure the pipes in the rear are intact.

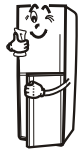
This appliance adopts R600a refrigerant which is combustible.
During transportation and installation, please handle the appliance carefully to protect the cooling system from damage.

◆The refrigarant leaked from the pipe may catch fire or hurt your eyes. If refrigerant leakage occurs, please keep away the fire or potential fire source, and keep the room aired for several minutes.

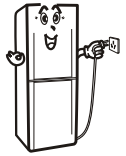
- To avoid the combustible gas composed of the refrigerant leaked from the cooling circuit and the air, please select the room size to accommodate t he appliance according to the refrigerant quantity. The room size shall be calculated as per the criterion of 8g R600a per square metres. For details of the refrigerant quantity, please refer to the manual.
- Do not start the appliance that has any damage. If any problems, please contact the dealer or service centre.

PREPARATIONS BEFORE USE

Basic preparations



1. In the initial use, please remove 2 tapes from both sides of the glass shelf and embed two side tubers into the recess of the inner gallbladder.
2. Clean the appliance with the wet wiper(add a few detergents into the warm water).



3. Place the appliance steadily and connect to the power in 1 hour.
4. After 2-3 hours cooling, you may store the foods to regulate the appliance working.

* Suggest to put in the foods after 2-3 hours cooling.

Temperature control

◆The inside temperature is adjusted by the thermostat whose arrow points to the silk screen of the temperature controller ("HIGH\MID\LOW"-indicates the inside temperature), where stronger the thermostat shows, the inside temperature is lower. "OFF" means shut-down. The user may switch the thermostat,which may point to"MID" normally as necessary. You may switch the thermostat between"MID" and "LOW" in hot weather and between "MID" and "HIGH" in cold weather. If a few foods need storing, you may switch to "LOW".
◆ When the room temperature is under 10℃,please open the season switch.

If you need to freeze large amount of food stuff, set the temperature of freezer compartment as the coldest temperature at least 24 hours before.

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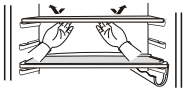
DISASSEMBLY OF ACCESSORIES

Disassembly of accessories

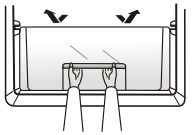
◆Shelf-R

You may adjust the shelf position as per the container height.



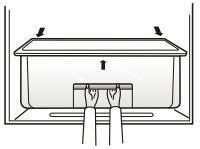
◆ Drawer-F

You may pull the drawer to the stopper and take it out tipsily.



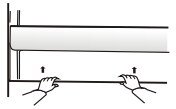
◆ Tray and COVER-VEG

Draw out the tray-veg and take it out when the cover is lifted.
Warning: During disassembling, do not force out the tray to avoid the damage of the appliance.



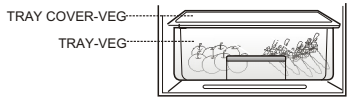
◆ TRAY-EGG & GUARD-BOTTLE

Lift and take out them.



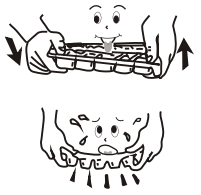
◆ TRAY-VEG.

The tray-veg can reserve the water and freshness of fruits and vegetables because it is sealed to avoid direct contact between cold air and vegetables.
Applicable to storage of vegetables and fruits.



◆ TRAY-ICE

- Distribute the cold water or beverage into the clean tray-ice and put them into the freezer.
- When getting the ice piece, just turn the ice tray but do not turn it up and down.



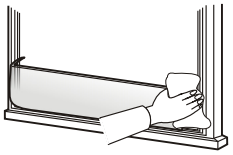
WARNING

1.The glass partition is movable and heavy.Children are not allowed to move it.
2.The unsteadiness of the appliance will cause noise.
3.The first start needs a long time of about 3 hours as the room temperature will fall to the setup temperature. The appliance will resume after shutdown.
4.For the foods or fluids that is absorbable, transferrable or odoriferous, please use a seamless container to store.

MAINTENANCE & CLEANING

◆ **Interior parts**

Dismantle all shelfs, door frames, trays, covers and drawers and clean with a soft cloth that is soaked with water or medium detergent (for bowl or chopstick wash). If detergent is used, please clean with water first, then wipe with a piece of dry cloth.



◆ **Door gasket**

If the door gasket contacts the oil or sauce etc., it will be impaired after a long time, especially for the gasket of the door up and down. Make sure to clean the gasket carefully. The recess shall be cleaned by the chopstick shrouded by cotton piece. When embed the gasket, fit four corners first and embed the gaskets section by section.

◆ **Defrost method**

When the frost layer gets thick, it may impair the cooling effect. You may take out and pack the foods. Pull out the power plug and wipe off the water with soft cloth when the frost layer vanishes. Then connect to the power and restart the appliance to setup the temperature. Generally once or twice defrost is required per year.

NOTES

1. Plug off the power first, then clean the freezer after defrost;
2. The best time to defrost is when the freezer is empty or half empty;
3. Do not use metal or sharp tools for defrost to prevent damage;
4. No electric heater is allowed for defrost;

Cleaning precautions

- ◆ Pull out the plug from the socket before cleaning, the interval between plug in and out shall be over 5 minutes;
- ◆ No water is allowed in the lamp and PCB cover during cleaning;
- ◆ Wipe with soft towel dipped over water or medium detergent, then clean with dry cloth;
- ◆ Do not use the detergent with abrasive (e.g. Toothpaste), acid, chemical solvent (e.g. alochol) or putty agent.

NOTES

The following checks shall be made after maintenance:
Any chaps or scars are found on the power cord.
Plug in the socket reliably
The power plug gets hot or other accidents.

WARNING

- Keep ventilation openings, in the appliance enclosure or in the build-in structure, clear of obstruction.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

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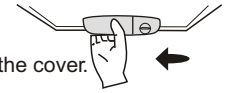
Change the lamp

◆Plug out the power cord.

Screw off the lamp cover, then hold the cover and pull left to remove the cover.



◆Turn off the bulb counterclockwise.

◆Turn on the bulb clockwise.

Push the right side of the lamp cover into the left recess of the temperature controller, then turn on the screws.

Bulb parameters: ~220V-240V,25W,E14

INSTALLATION & SETUP

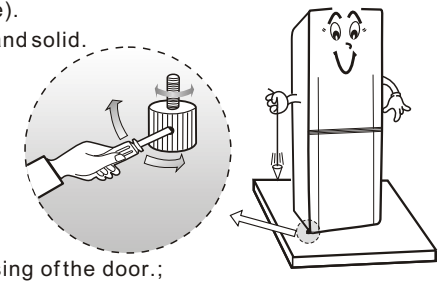
Place the refrigerator

1. Remove the foot cushion prior to use.
2. If the appliance is placed unsteadily, you may adjust the front leg in the bottom to stablize the appliance (lift by turning left). There is a adjust hole in the front leg. You may adjust it with a crosshead screwdriver (see right figure).
3. The ground under the appliance shall be flat and solid. Otherwise noise and oscillation will arise.

◆The noise will grow stronger if the appliance is put on the soft ground;

◆Please put a solid plate on the blanket, to avoid miscolor or heat blocking;

◆To stablize the appliance, please leave the foot contacting the ground closely and keep the appliance leaning back for easy closing of the door.;



Packaging & handling

1. Unpacking, repacking and handling

◆ Do remember where the packages are during unpacking and examining. The products can not be transported until they are repacked after examining.

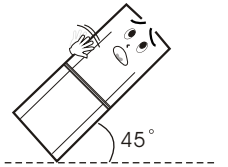
2. Do not hold the door during transportation.

3. Avoid clash or acute shaking during handling.

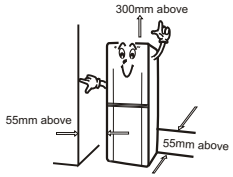
4. Vertical handling to avoid clash

◆ Do not position the appliance reversely or horizontally. If tilting is required, the tilting angle shall be less than 45° 。

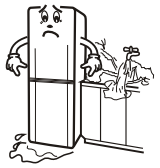
◆ Please handle the appliance as per the instructions to prevent from noise or some other problems.



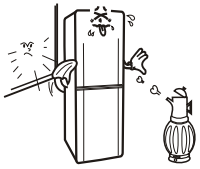
INSTALLATION & SETUP



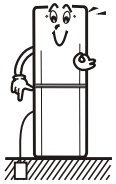
◆ Leave 55~100mm between the appliance back and the wall.
At least 300mm shall be left empty over the appliance.



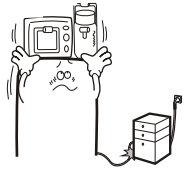
◆ The appliance shall not be place where there is moisture to avoid mental rust and insulation impairment;
If the appliance is placed near the pool or in the basement, a overload protector is required except for the earth wire.
If the appliance is soaked due to the natural disaster (such as rainstorm or accidents), please have it repaired by Sumsung service center before use.



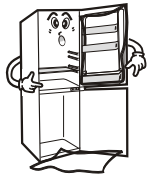
◆ The appliance shall be far away from heat source and direct sunlight.



◆ A separate socket for earth wire with 3 cores shall be used and shall not be shared with other apparatus. For safety purpose,please connect the earth wire that is in place on the earthing pole of the socket.The wire shall not be connected to the water pipe, gas pipeline, telephone line and lightning rod etc.



◆ Make sure not to press the power cord.
No appliances such as microwave, electric cooker and transformer are allowed on the top of the appliance.



◆ Before you discard the appliance, please scrap the gasket.
◆ The scraped items shall be properly treated or disposed of by professionals. Do not discard the scraps anywhere to avoid damages to the environment or other risks.

NOTES

1.Keep the appliance out of water because it will get rusty and problem.
Please wipe the electric parts such as switch with dry cloth.
2.Do not use wash powder,alkaline detergent,brush,gas,thinner,alochol, coal oil, acid and boiled water that may hurt the face or plastic items.
3.Do not use chemical wiper that may hurt the face or plastic items.
4.The oiled plastics items is easy to get aged, wipe off the oil soon.

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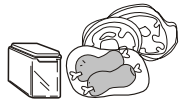
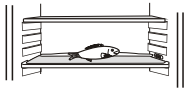
STORING FOODS

◆ The foods shall be packed with the freshness reservation bag (film) or put in the sealed container to avoid air-dry or mix-odour.

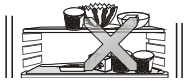


◆ Hot foods or beverages shall be cooled to the room temperature to save power consumption.

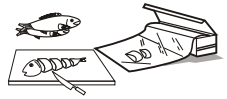
◆ The cooked and raw foods shall be placed separately.



◆ The foods shall be kept loose to leave enough space for air cycle.
Note: 1. Do not put the foods near the sensor.
2. The foods and containers shall not lean against the back wall.

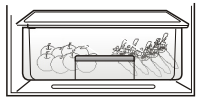


◆ Store foods in smaller portions.



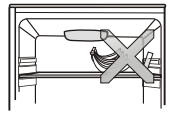
◆ Better clean the washable foods,such as fruits and vegetables before storage.

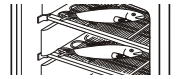
◆ The fruits and vegetables shall be stored in the vegetable compartment to reserve the water and freshness.



WARNING

◆ The tropic fruits such as banana and pineapple are not suitable.
◆ Do not store the items that has strict storage standard, such as blood serum, bacterin and academic materials.
Recommendation: If you need a large quantity of foods to be stored, ice making or fast cooling, please take out the freezer drawer and freeze the foods directly on the evaporator partition.





NOTES

◆ Do not touch the freezer evaporator with wet hands to avoid the water ices on your hands.